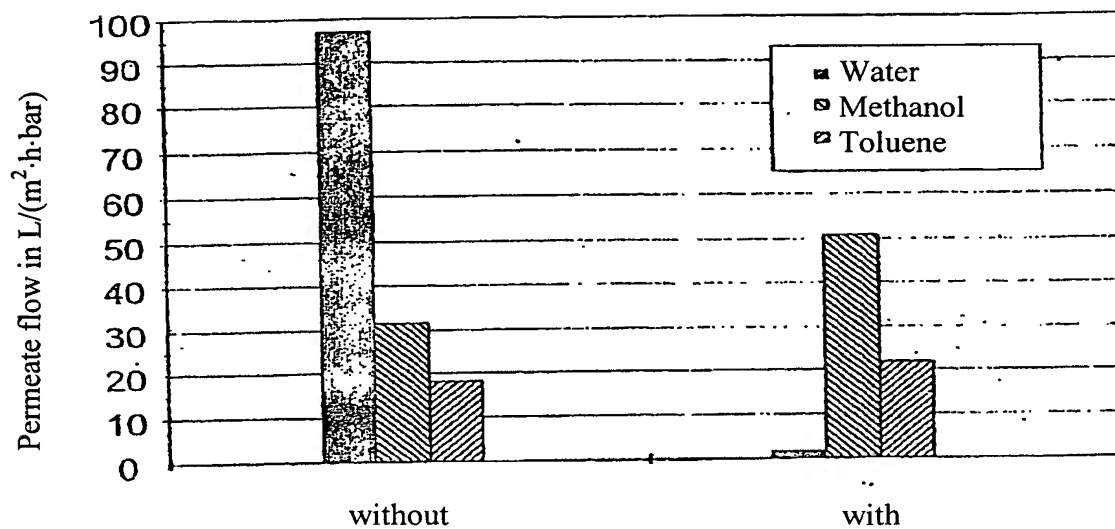
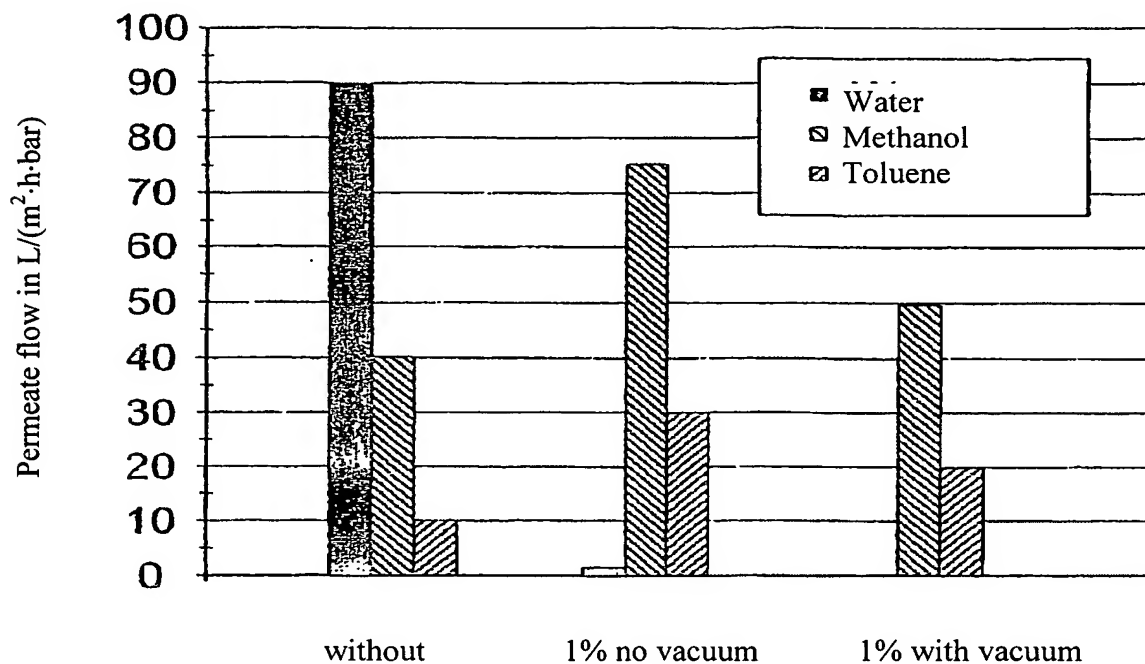


Figure 1.



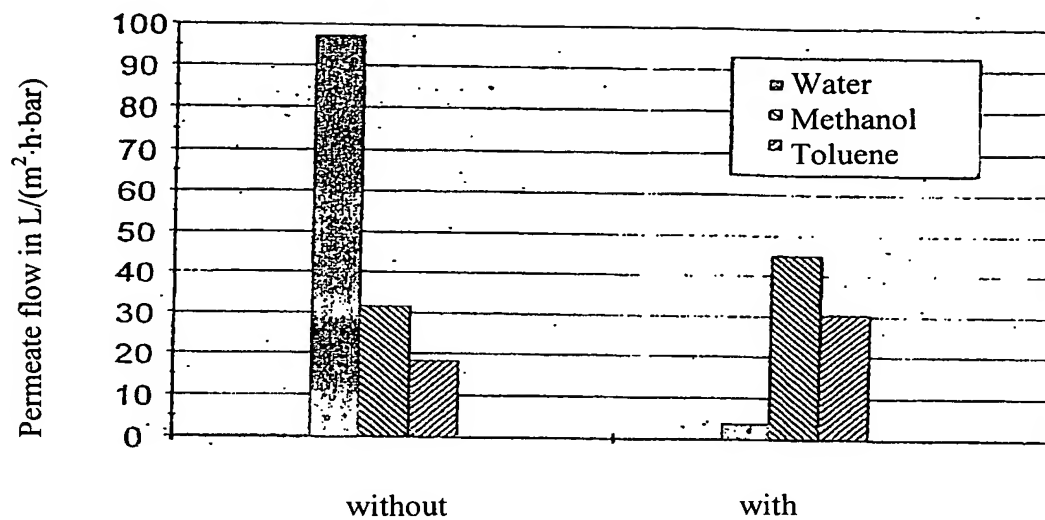
Permeate flow of a 3 nm ZrO<sub>2</sub> membrane without and with hydrophobing with n-octyldimethylchlorosilane in the liquid phase.

Figure 2.



Permeate flow of a 5 nm TiO<sub>2</sub> membrane without hydrophobing and with hydrophobing with tetradecafluoro-1,1,2,2-tetrahydrooctyltrichlorosilane in the liquid phase with and without vacuum support.

Figure 3.



Permeate flow of a 3 nm ZrO<sub>2</sub> membrane without and with hydrophobing with trimethylchlorosilane in the gas phase.